



# AIRWORTHINESS DIRECTIVE

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*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) with ADs.*

**Number:**

CF-2021-46

**Effective Date:**

22 December 2021

**ATA:**

78

**Type Certificate:**

A-236

**Subject:**

Exhaust – Non-Conforming Thrust Reverser Actuation System Deploy Hoses

**Applicability:**

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) aeroplanes:

Model BD-500-1A10, serial numbers 50030, and 50033 through 50039;

Model BD-500-1A11, serial number 55056.

**Compliance:**

Within 400 hours air time from the effective date of this AD, unless already accomplished.

**Background:**

There has been one in-service event where a thrust reverser actuation system (TRAS) deploy hose failed upon the commanded deployment of a thrust reverser. An investigation by the manufacturer determined that certain TRAS deploy hoses were made with incomplete installation of the wire overbraid, which created a weak point and subsequently led to failure of the deploy hose.

The failure of a deploy hose could lead to loss of thrust reverser function and hydraulic systems. The loss of one or both thrust reversers during landing on a contaminated runway could lead to a runway excursion.

Airbus Canada Limited Partnership (ACLP) released Service Bulletin (SB) BD500-783002 to remove and replace the non-conforming TRAS deploy hoses, and this AD mandates replacement of these non-conforming TRAS deploy hoses.

**Corrective Actions:**

Remove and replace each affected non-conforming TRAS deploy hose in accordance with the Accomplishment Instructions of ACLP SB BD500-783002, Issue 001, dated 22 October 2020, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 8 December 2021

**Contact:**

Robert Farinas, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail [TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca](mailto:TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca) or any Transport Canada Centre.